

FIG. 1

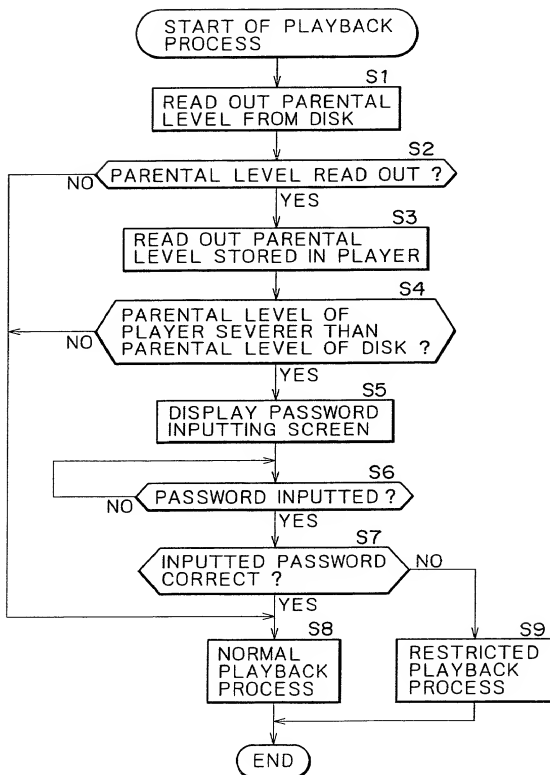


FIG. 2

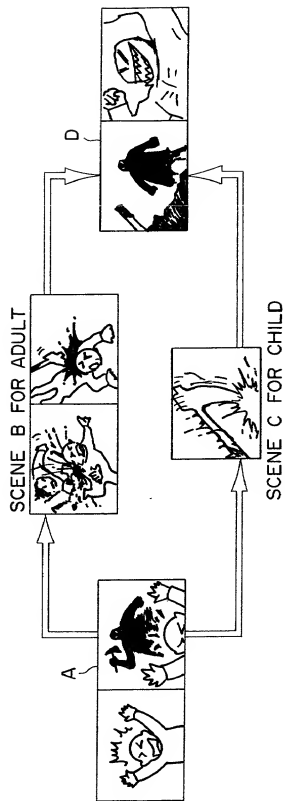


FIG. 3

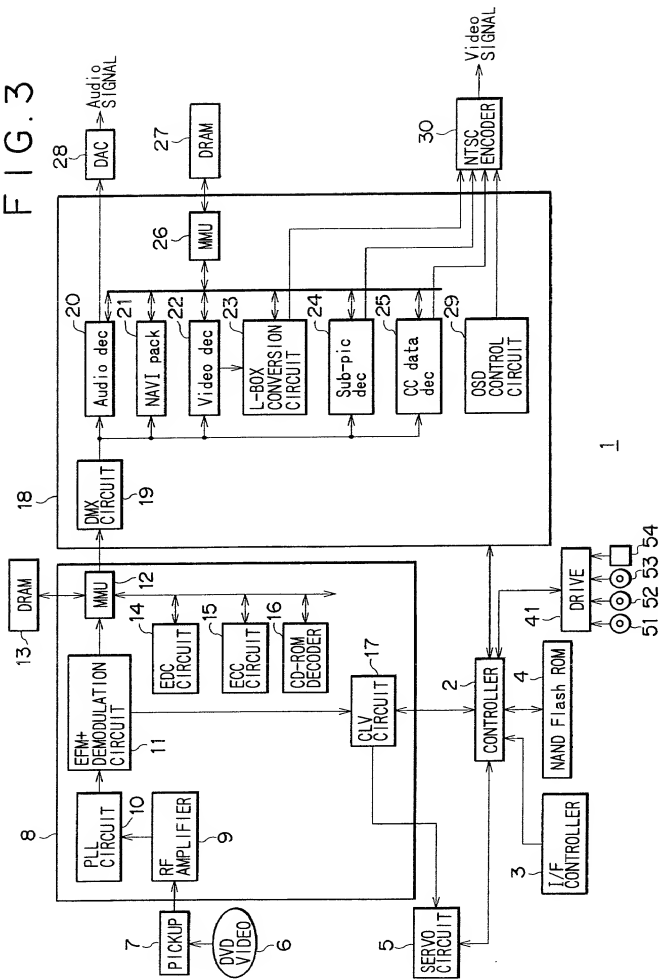


FIG. 4

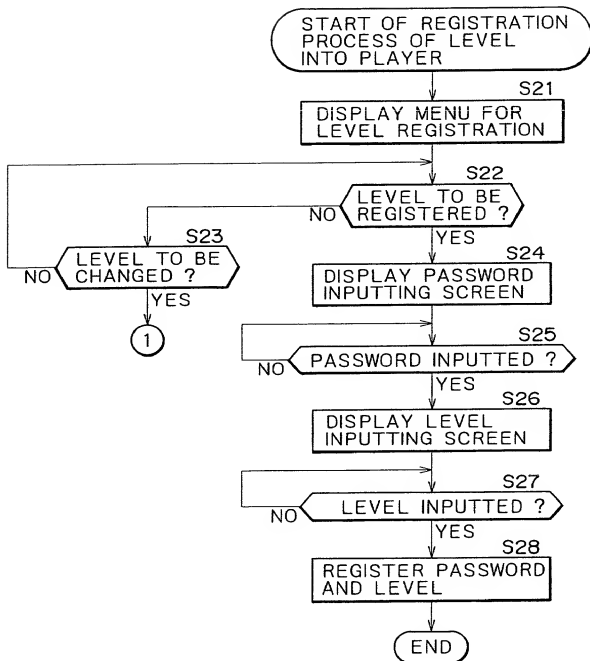


FIG. 5

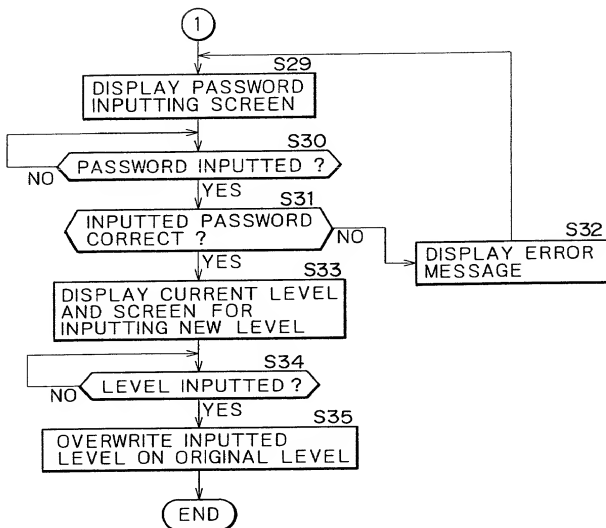


FIG. 6

LEVEL REGISTRATION MENU

- (1) TO REGISTER A LEVEL
- (2) TO CHANGE THE LEVEL

FIG. 7

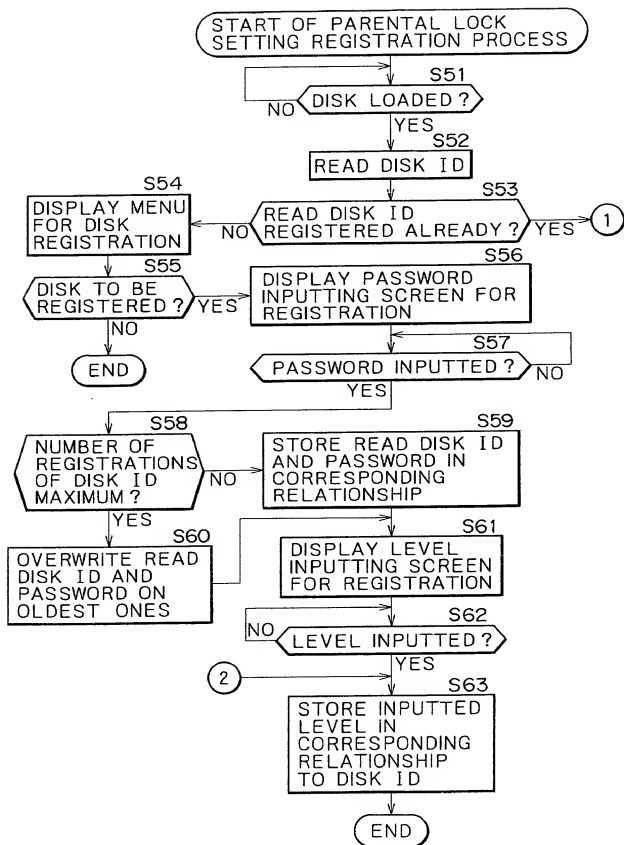


FIG. 8

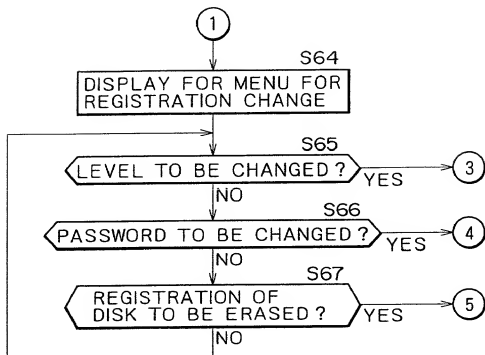


FIG. 9

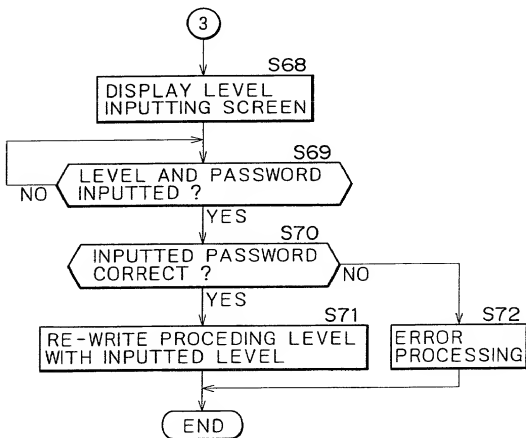


FIG.10

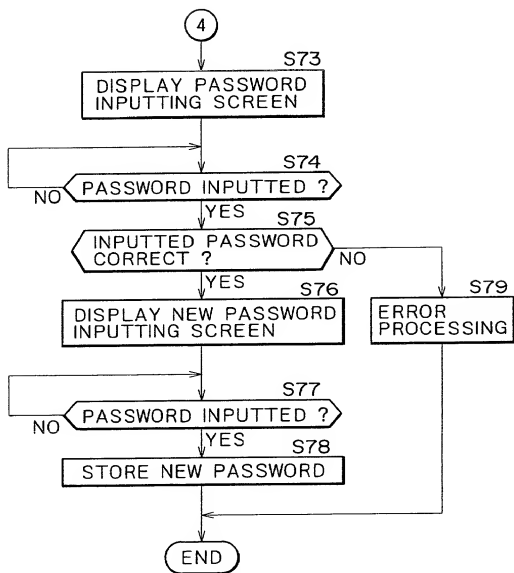


FIG. 11

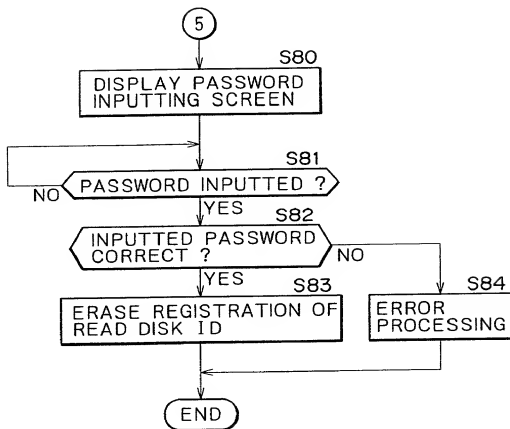


FIG.12

SHOULD THE DISK
BE REGISTERED?

(1) YES

(2) NO

FIG.13

PLEASE SELECT A CHANGING ITEM

(1) TO CHANGE THE LEVEL

(2) TO CHANGE THE PASSWORD

(3) TO ERASE THE REGISTRATION
OF THE DISK

FIG.15

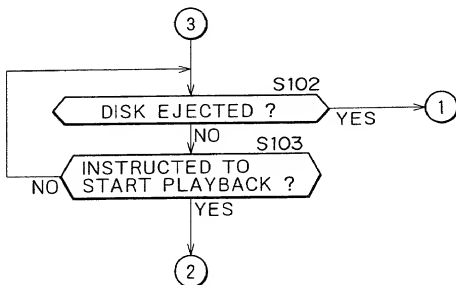


FIG.14

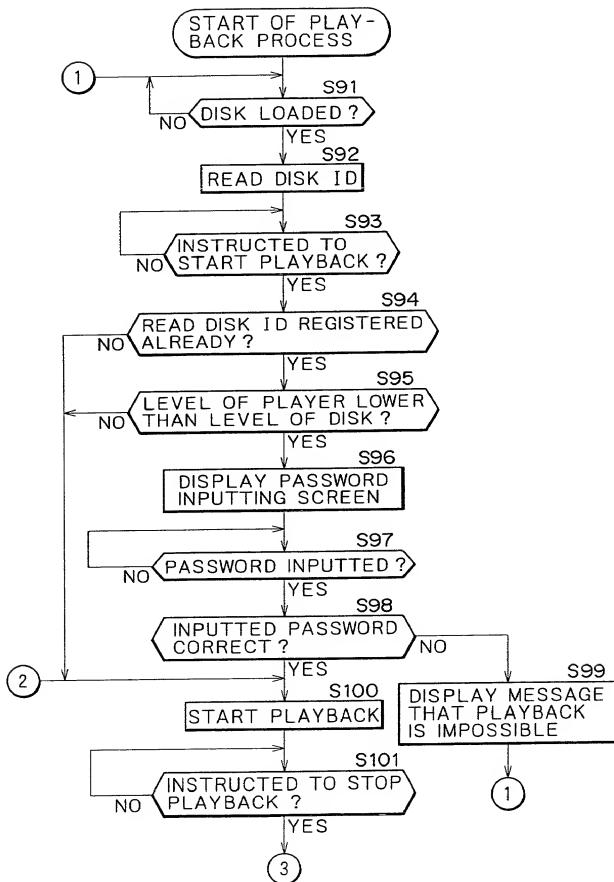
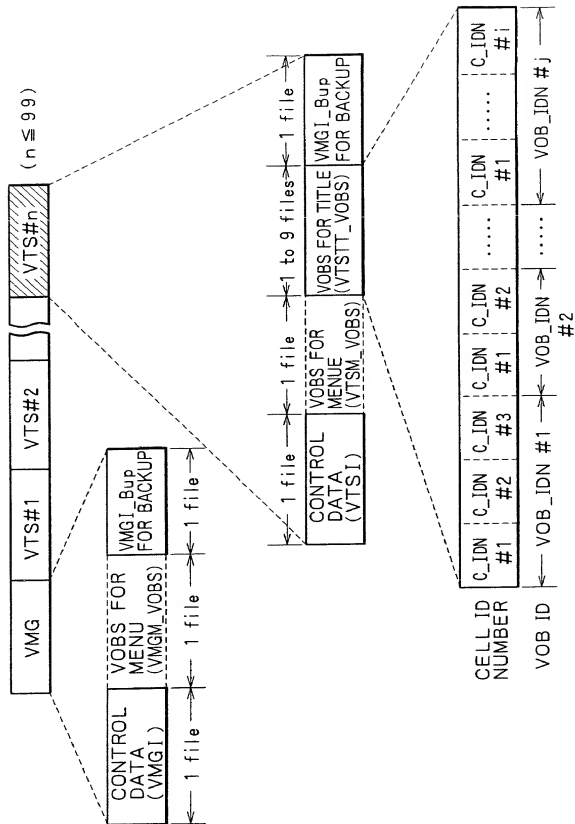


FIG. 16



(699) VII (n)

WTS#?

WTS#?

VT

CONTROL DATA (VMGI)

VOBS FOR
MENU
(VMGM_VOBS)

VMGI_Bup
FOR BACKUP

— 1 file

- 1 file

→ 1 file

1 f:10

1 f: 1

64

→ 1 file

CONTROL DATA (VTSI)

VOBS FO
MENUE
(VTSM V

VOBS FOR
(VTSTT-

VMGI_Bu
FOR BACK

CELL ID
NUMBER

C_IDN	C_IDN
#1	#2

N	C_IDN
3	#1

DN
#2
...

1

C_IDN
#:

VOB ID

→ VOB_IDN :

VOE

$$\begin{array}{c} \vdots \\ \uparrow \\ \mathbb{Z} \end{array}$$

VOB_IDN

FIG.17

VIDEO MANAGER INFORMATION (VMGI) (ESSENTIAL)	VIDEO MANAGER INFORMATION MANAGEMENT TABLE (VMGI_MAT) (ESSENTIAL)
VIDEO OBJECT SET FOR VMG MENU (VMGM_VOBS) (OPTIONAL)	TITLE SERCH POINTER TABLE (TT_SRPT) (ESSENTIAL)
BACKUP OF VIDEO MANAGER INFORMATION (VMGI_BUP) (ESSENTIAL)	VIDEO MANAGER MENU PGC1 UNIT TABLE (VMGM_PGC1_UT) (ESSENTIAL WHEN VMGM_VOBS IS PRESENT)
	PARENTAL MANAGEMENT INFORMATION TABLE (PTL_MAIT) (OPTIONAL)
	VIDEO TITLE SET ATTRIBUTE INFORMATION TABLE (VTS_ATTRT) (ESSENTIAL)
	TEXT DATA MANAGER (TXTDT_MG) (OPTIONAL)
	VIDEO MANAGER MENU CELL ADDRESS TABLE (VMGM_C_ADT) (ESSENTIAL WHEN VMGM_VOBS IS PRESENT)
	VIDEO MANAGER MENU VIDEO OBJECT UNIT ADDRESS MAP (VMGM_VOBJU_ADMAP) (ESSENTIAL WHEN VMGM_VOBS IS PRESENT)

FIG.18

RBP		CONTENTS	BYTE NUMBER
0 to 11	VMG_ID	VMG IDENTIFIER	12 BYTES
12 to 15	VMG_EA	END ADDRESS OF VMG	4 BYTES
16 to 27	reserved	reserved	12 BYTES
28 to 31	VMGI_EA	END ADDRESS OF VMGI	4 BYTES
32 to 33	VERN	VERSION NUMBER OF DVD VIDEO SPECIFICATIONS	2 BYTES
34 to 37	VMG_CAT	VIDEO MANAGER CATEGORY	4 BYTES
38 to 45	VLMS_ID	VOLUME SET IDENTIFIER	8 BYTES
46 to 61	reserved	reserved	16 BYTES
62 to 63	VTs_Ns	VIDEO TITLE SET NUMBER	2 BYTES
64 to 95	PVR_ID	IDENTIFIER UNIQUE TO PROVIDER	32 BYTES
96 to 103	POS_CD	POS CODE	8 BYTES
104 to 127	reserved	reserved	24 BYTES
128 to 131	VMGI_MAT_EA	END ADDRESS OF VMGI_MAT	4 BYTES
132 to 135	FP_PGCI_SA	TOP ADDRESS OF FP_PGCI	4 BYTES
136 to 191	reserved	reserved	56 BYTES
192 to 195	VMGM_VOBS_SA	TOP ADDRESS OF VMGM_VOBS	4 BYTES
196 to 199	TT_SRPT_SA	TOP ADDRESS OF TT_SRPT	4 BYTES
200 to 203	VMGM_PGCI_UT_SA	TOP ADDRESS OF VMGM_PGCI_UT	4 BYTES
204 to 207	PTL_MAIt_SA	TOP ADDRESS OF PTL_MAIt	4 BYTES
208 to 211	VTs_ATRT_SA	TOP ADDRESS OF VTs_ATRT	4 BYTES
212 to 215	TXDT_MG_SA	TOP ADDRESS OF TXDT_MG	4 BYTES
216 to 219	VMGM_C_ADT_SA	TOP ADDRESS OF VMGM_C_ADT	4 BYTES
220 to 223	VMGM_VObU_ADMAP_SA	TOP ADDRESS OF VMGM_VObU_ADMAP	4 BYTES
224 to 255	reserved	reserved	32 BYTES
256 to 257	VMGM_V_ATR	VIDEO ATTRIBUTE OF VMGM	2 BYTES
258 to 259	VMGM_AST_Ns	AUDIO STREAM NUMBER OF VMGM	2 BYTES
260 to 267	VMGM_AST_ATR	AUDIO STREAM ATTRIBUTE OF VMGM	8 BYTES
268 to 323	reserved	reserved	56 BYTES
324 to 339	reserved	reserved	16 BYTES
340 to 341	VMGM_SPST_Ns	SUB PICTURE STREAM NUMBER OF VMGM	2 BYTES
342 to 347	VMGM_SPST_ATR	SUB PICTURE STREAM ATTRIBUTE OF VMGM	6 BYTES
348 to 1023	reserved	reserved	676 BYTES
1024 to 2291(max.)	FP_PGCI	FIRST PLAY PGCI	0 or(236 to 1268) BYTES

FIG.19

VIDEO TITLE SET INFORMATION (VTSI) (ESSENTIAL)
VIDEO OBJECT SET FOR VIDEO TITLE SET MENU (VTSM_VOBS) (OPTIONAL)
VIDEO OBJECT SET FOR VIDEO TITLE SET TITLE (VTSTT_VOBS) (ESSENTIAL)
BACKUP OF VIDEO TITLE SET INFORMATION (VTSI_BUP) (ESSENTIAL)

VIDEO TITLE SET INFORMATION MANAGEMENT TABLE (VTSI_MAT) (ESSENTIAL)
VIDEO TITLE SET PTT SEARCH POINTER TABLE (VTS_PTT_SRPT) (ESSENTIAL)
VIDEO TITLE SET PROGRAM CHAIN INFORMATION TABLE (VTS_PGCIT) (ESSENTIAL)
VIDEO TITLE SET MENU PGC1 UNIT TABLE (VTSM_PGC1_UT) (ESSENTIAL WHEN VTSM_VOBS IS PRESENT)
VIDEO TITLE SET TIME MAP TABLE (VTS_TMAPT) (OPTIONAL)
VIDEO TITLE SET CELL ADDRESS TABLE (VTSM_C_ADT) (ESSENTIAL WHEN VTSM_VOBS IS PRESENT)
VIDEO TITLE SET MENU VIDEO OBJECT UNIT ADDRESS MAP (VTSM_VOBU_ADMAP) (ESSENTIAL WHEN VMGM_VOBS IS PRESENT)
VIDEO TITLE SET CELL ADDRESS TABLE (VTS_C_ADT) (ESSENTIAL)
VIDEO TITLE SET VIDEO OBJECT UNIT ADDRESS MAP (VTS_VOBU_ADMAP) (ESSENTIAL)

FIG. 20

RBP		CONTENTS	BYTE NUMBER
0 to 11	VTS_ID	VTS IDENTIFIER	12 BYTES
12 to 15	VTS_EA	END ADDRESS OF VTS	4 BYTES
16 to 27	reserved	reserved	12 BYTES
28 to 31	VTSI_EA	END ADDRESS OF VTSI	4 BYTES
32 to 33	VERN	VERSION NUMBER OF DVD VIDEO SPECIFICATIONS	2 BYTES
34 to 37	VTS_CAT	VTS CATEGORY	4 BYTES
38 to 127	reserved	reserved	90 BYTES
128 to 131	VTSI_MAT_EA	END ADDRESS OF VTSI_MAT	4 BYTES
132 to 191	reserved	reserved	60 BYTES
192 to 195	VTSM_VOBS_SA	TOP ADDRESS OF VTSM_VOBS	4 BYTES
196 to 199	VTSTT_VOBS_SA	TOP ADDRESS OF VTSTT_VOBS	4 BYTES
200 to 203	VTS_PTT_SRPT_SA	TOP ADDRESS OF VTS_PTT_SRPT	4 BYTES
204 to 207	VTS_PGCIT_SA	TOP ADDRESS OF VTS_PGCIT	4 BYTES
208 to 211	VTSM_PGCIT_UT_SA	TOP ADDRESS OF VTSM_PGCIT_UT	4 BYTES
212 to 215	VTS_TMAPT_SA	TOP ADDRESS OF VTS_TMAPT	4 BYTES
216 to 219	VTSM_C_ADT_SA	TOP ADDRESS OF VTSM_C_ADT	4 BYTES
220 to 223	VTSM_VOBU_ADMAP_SA	TOP ADDRESS OF VTSM_VOBU_ADMAP	4 BYTES
224 to 227	VTS_C_ADT_SA	TOP ADDRESS OF VTS_C_ADT	4 BYTES
228 to 231	VTS_VOBU_ADMAP_SA	TOP ADDRESS OF VTS_VOBU_ADMAP	4 BYTES
232 to 255	reserved	reserved	24 BYTES
256 to 257	VTSM_V_ATR	VIDEO ATTRIBUTE OF VTSM	2 BYTES
258 to 259	VTSM_AST_Ns	AUDIO STREAM NUMBER OF VTSM	2 BYTES
260 to 267	VTSM_AST_ATR	AUDIO STREAM ATTRIBUTE OF VTSM	8 BYTES
268 to 323	reserved	reserved	56 BYTES
324 to 339	reserved	reserved	16 BYTES
340 to 341	VTSM_SPST_Ns	SUB PICTURE STREAM NUMBER OF VTSM	2 BYTES
342 to 347	VTSM_SPST_ATR	SUB PICTURE STREAM ATTRIBUTE OF VTSM	6 BYTES
348 to 511	reserved	reserved	164 BYTES
512 to 513	VTS_V_ATR	VIDEO ATTRIBUTE OF VTS	2 BYTES
514 to 515	VTS_AST_Ns	AUDIO STREAM NUMBER OF VTS	2 BYTES
516 to 579	VTS_AST_ATRT	AUDIO STREAM ATTRIBUTE TABLE OF VTS	64 BYTES
580 to 595	reserved	reserved	16 BYTES
596 to 597	VTS_SPST_Ns	SUB PICTURE STREAM NUMBER OF VTS	2 BYTES
598 to 789	VTS_SPST_ATRT	SUB PICTURE STREAM ATTRIBUTE TABLE OF VTS	192 BYTES
790 to 791	reserved	reserved	2 BYTES
792 to 983	VTS_MU_AST_ATRT	MULTI-CHANNEL AUDIO STREAM ATTRIBUTE TABLE OF VTS	192 BYTES
984 to 1023	reserved	reserved	40 BYTES
1024 to 2047	reserved	reserved	1024 BYTES